

<110> SAKAKIBARA, Kelko FUKUI, Yuko

	T K M	UKUI ANAK USUM IZUT AKAY	A, Yo I, Ta ANI,	oshil akaal Masa	ki ako											
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atc of Ile 2																161
tcc Ser																209
cta (Leu :			_		_			_				_		_		257
ttt o Phe 2 55																305

_		_		_	ttg Leu					-					-		353
					aaa Lys			_									401
					cgc Arg												449
	~			_	aaa Lys	_	_			_	_	_					497
_	_		_		ttc Phe 140	_			_		***						545
					aat Asn												593
atc Ile	cac	cga Arg	tct Ser 170	tgg Trp	ctt Leu	ttt Phe	ttc Phe	ccg Pro 175	ttc Phe	cat	aga Arg	tat Tyr	tat Tyr 180	atc Ile	tac Tyr		641
					ttg Leu												689
					tat Tyr												737
					aat Asn 220												785
					acc Thr												833
					act Thr												881
att Ile	gtg Val	tac Tyr 265	aga Arg	caa Gln	atg Met	gtg Val	tcg Ser 270	agc Ser	gct Ala	aag Lys	act Thr	cca Pro 275	cag Gln	ctt Leu	ttc Phe		929
					cga Arg												977
					cct Pro											:	1025

295	300	305	310
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		tcg aac gtc gat aga Ser Asn Val Asp Arg 340	
		cgg agg acg gac tta Arg Arg Thr Asp Leu 355	
		ttt tat gac gaa aac Phe Tyr Asp Glu Asn . 370	
		tta gat gaa aag aaa Leu Asp Glu Lys Lys 385	
	Val Glu Ile Pro	tgg ctc aac act cgt Trp Leu Asn Thr Arg 400	
		aaa ttt cat aga aca Lys Phe His Arg Thr 420	
		ata ctt gac aga gtc Ile Leu Asp Arg Val 435	
		aga agt agg aaa gaa Arg Ser Arg Lys Glu 450	
		ggg att gaa ctg gaa Gly Ile Glu Leu Glu 465	
	Phe Asp Val Tyr	att aat gct gac gaa Ile Asn Ala Asp Glu 480	
		gag ttc gcc ggg agt Glu Phe Ala Gly Ser 500	
		aag agg aca aag acg Lys Arg Thr Lys Thr 515	
		gag gat ttg gat gct Glu Asp Leu Asp Ala 530	

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atc aag att cat aat gtc aag att gag ctt gat ggc taataaattc Ile Lys Ile His Asn Val Lys Ile Glu Leu Asp Gly 555 560	1791						
tattgatttc ttctcaacct acagttgatc atttaccgat tgattattcc aataaaagta	1851						
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Phe Ile Ile Thr Leu Phe Leu Leu Ile Val Gly Leu Tyr Ile Ala Asn 35 40 45							
Ser Leu Ala Tyr Ala Arg Phe Ala Ser Thr Ser Thr Gly Pro Ile Ala 50 55 60							
Ala Pro Asp Val Thr Lys Cys Gly Gln Pro Asp Leu Pro Pro Gly Thr 65 70 75 80							
Ala Pro Ile Asn Cys Cys Pro Pro Ile Pro Ala Lys Ile Ile Asp Phe 85 90 95							
Glu Leu Pro Pro Pro Ser Thr Thr Met Arg Val Arg Arg Ala Ala His 100 105 110							
Leu Val Asp Asp Ala Tyr Ile Ala Lys Phe Lys Lys Ala Val Glu Leu 115 120 125							
Met Arg Ala Leu Pro Glu Asp Asp Pro Arg Ser Phe Lys Gln Gln Ala 130 135 140							

Asn Val His Cys Ala Tyr Cys Ala Gly Ala Tyr Asn Gln Ala Gly Phe 150 Thr Asn Leu Lys Leu Gln Ile His Arg Ser Trp Leu Phe Phe Pro Phe His Arg Tyr Tyr Ile Tyr Phe Phe Glu Arg Ile Leu Gly Lys Leu Ile Asn Asp Thr Thr Phe Ala Leu Gln Phe Trp Asn Tyr Asp Ser Pro Gly 195 200 Gly Met Thr Ile Pro Ser Met Phe Ile Asp Thr Asn Ser Ser Leu Tyr 210 215 Asp Ser Leu Arg Asp Ser Asn His Gln Pro Pro Thr Ile Val Asp Leu Asn Tyr Ala Phe Ser Asp Ser Asp Asn Thr Thr Pro Glu Glu Gln 245 Met Ile Ile Asn Leu Lys Ile Val Tyr Arg Gln Met Val Ser Ser Ala Lys Thr Pro Gln Leu Phe Phe Gly Arg Pro Tyr Arg Arg Gly Asp Gln 280 Glu Phe Pro Gly Val Gly Ser Ile Glu Leu Val Pro His Gly Met Ile His Leu Trp Thr Gly Ser Glu Asn Thr Pro Tyr Gly Glu Asn Met Gly 315 Ala Phe Tyr Ser Thr Ala Arg Asp Pro Ile Phe Phe Ala His His Ser Asn Val Asp Arg Met Trp Ser Ile Trp Lys Thr Leu Gly Gly Pro Arg 340 345 Arg Thr Asp Leu Thr Asp Pro Asp Phe Leu Asp Ala Ser Phe Val Phe 360 Tyr Asp Glu Asn Ala Glu Met Val Arg Val Lys Val Arg Asp Cys Leu 370 375

Asp Glu Lys Lys Leu Gly Tyr Val Tyr Gln Asp Val Glu Ile Pro Trp 385 390 395 400

Leu Asn Thr Arg Pro Thr Pro Lys Val Ser Pro Ser Leu Leu Lys Lys 405 410 415

Phe His Arg Thr Asn Thr Ala Asn Pro Arg Gln Val Phe Pro Ala Ile 420 425 430

Leu Asp Arg Val Leu Lys Val Ile Val Thr Arg Pro Lys Lys Thr Arg 435 440 445

Ser Arg Lys Glu Lys Asp Glu Leu Glu Glu Ile Leu Val Ile Glu Gly 450 455 460

Ile Glu Leu Glu Arg Asp His Gly His Val Lys Phe Asp Val Tyr Ile 465 470 475 480

Asn Ala Asp Glu Asp Asp Leu Ala Val Ile Ser Pro Glu Asn Ala Glu 485 $$ 490 $$ $$ 495

Phe Ala Gly Ser Phe Val Ser Leu Trp His Lys Pro Ile Lys Gly Lys 500 505 510

Arg Thr Lys Thr Gln Leu Leu Thr Leu Ser Ile Cys Asp Ile Leu Glu 515 520 525

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Arg Asn Ala Gly Asp Ala Ile Lys Ile His Asn Val Lys Ile Glu Leu 545 550 555

Asp Gly

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       Amino acid 8 is Xaa wherein Xaa = unknown or other.
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       UNSURE
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       (28)..(28)
 <223> Amino acid 28 is Xaa wherein Xaa = unknown or other.
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       125
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<400> 10

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His Ala Val Cys Asn Glu
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       (6)..(18)
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ttyrtnaart tyacngcnat
                                                                     , 20
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                                                                      17
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       (4)...(7)
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       unknown or other
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                                                                      18
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      DNA
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aaggateegg ceetategee
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22